



STATE OF WASHINGTON

STATE BUILDING CODE COUNCIL

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MINUTES PLUMBING CODE TECHNICAL ADVISORY GROUP

Date: July 15, 2003

Location: Seattle Area Pipe Trades

TAG Members Present: Bill Misocky, TAG Chair (SBCC); Dave Cantrell (WABO); Frank Van der Harst (Mechanical Engineers); Charly Mitchel (PHCC); Terry Tackett (Int'l Airports); Dan Sexton (Alt-Plumbing Trades); Doug Taylor (DOH-alt.)

TAG Members Absent: Donovan Quebedeaux (BIAW), Dick Swanson (DOH), Fred Volkers (MCA), Larry Fritts (Plumbing Trades)

Visitors Present: Tracy Justice (WABO)

Staff Present: Krista Braaksma

CALL TO ORDER

The meeting was called to order by TAG Chair, Bill Misocky, at 1:05 p.m. Everyone was welcomed and introductions were made.

The agenda was reviewed and approved. The minutes of the June 17, 2003, meeting were approved with the following changes: on p. 2, Appendix I rather than I 5 was reviewed, and the date of the next meeting should read July 15 not July 17.

REVIEW OF DRAFT CODE LANGUAGE

The TAG reviewed the draft code language incorporating the changes itemized in the review matrix. Frank Van der Harst asked about the exemption of the fuel gas piping requirements in Chapter 12. Bill stated that the requirements in the Mechanical Code would take precedence and thus those found in the Plumbing Code are not adopted. Frank also asked for clarification of the cleanout requirements in Chapter 11 and if they were

applicable to subsoil drains. Dave Cantrell replied that the requirement only applied to building storm drains.

Frank also noted that the requirements for station outlets in Table 13-3 in Chapter 13 conflict with those found in the Department of Health WAC 246-320-525. After discussion, the TAG determined the best course of action was to amend Section 1313.3 and direct the users to the DOH WAC instead of Table 13-3.

REVIEW OF CODE CHANGE PROPOSALS

03-10 and 03-12

Dave Cantrell asked that Items 03-10 and 03-12 be heard together since they are dependent on one another. These items would allow a temperature/pressure relief valve to discharge into the drip pan, or other approved location, for residential construction. This practice is currently allowed in Oregon.

The majority of TAG members supported Log #'s 03-10 and 03-12, with a minority opinion that the cost savings may not justify the health hazards.

03-11

The TAG felt this item, requiring a reduced pressure backflow prevention device on boilers, was a good change. It is noted that the Department of Health Drinking Water Division, and several water purveyor associations support this amendment.

03-13

The final item is a proposal to allow hammer arrestors to be installed in concealed locations. Dave stated that several manufacturers are now producing long-lived devices that cannot be recharged that are intended installation in concealed locations. The TAG agreed that this was a good change.

There being no further business, the meeting was adjourned at 2:30 p.m.

Washington State Building Code Council • Code Change Cycle 2003

2003 Uniform Plumbing Code

Log #	Proponent	Code Section(s)	Title or Subject	TAG Review			Committee Action
				Meet Criteria ?	Economic Impact	Recommendation	
03-09 Pg 1	WABO / Snohomish County	503.3	Water heater permits	Withdrawn by Proponent			
03-10 Pg 5	WABO / Snohomish County	510.8 (508.5 in 2003 Ed.)	PT valve discharge (Considered together since they are dependent upon one another)	2D	-FC	AS	
03-12 Pg 13	WABO / Snohomish County	608.5					
03-11 Pg 9	WABO / Snohomish County	603.4.11	Boiler connection to potable water	1, 2D	---	AS	
03-13 Pg 17	WABO / Snohomish County	609.10.2	Mechanical devices	2D	-FC	AS	

Criteria

WAC 51-04-020 Policies for the consideration of proposed state-wide amendments

- (1) The amendment is needed to address a critical life/safety need.
- (2) The amendment is needed to address a specific state policy or statute (See RCW 19.27.020 Below).
- (3) The amendment is needed for consistency with state or federal regulations.
- (4) The amendment is needed to address a unique character of the state.
- (5) The amendment corrects errors and omissions.

RCW 19.27.020 Purposes--Objectives--Standards.

- (A) To require minimum performance standards and requirements for construction and construction materials, consistent with accepted standards of engineering, fire and life safety.
- (B) To require standards and requirements in terms of performance and nationally accepted standards.
- (C) To permit the use of modern technical methods, devices and improvements.
- (D) To eliminate restrictive, obsolete, conflicting, duplicating and unnecessary regulations and requirements which could unnecessarily increase construction costs or retard the use of new materials and methods of installation or provide unwarranted preferential treatment to types or classes of materials or products or methods of construction.
- (E) To provide for standards and specifications for making buildings and facilities accessible to and usable by physically disabled persons.
- (F) To consolidate within each authorized enforcement jurisdiction, the administration and enforcement of building codes.

Economic Impact

+	Increases cost		FC	First Cost
–	Decreases cost		EC	Enforcement Cost
			OC	Ongoing Cost
SBI	Small Business Impact			

Recommendation

AS	Approval as Submitted
D	Disapproval
AM	Approval with Modifications (see attached)
AO	Approval with Options (see attached)

Log # 03-010:

508.5 Relief Valve Discharge

Discharge from a relief valve into a water heater pan shall be prohibited.

Exception: One- and two-family dwellings.

Log #03-012:

608.5 Relief valves located inside a building shall be provided with a drain, not smaller than the relief valve outlet, of galvanized steel, hard drawn copper piping and fittings, CPVC, or listed relief valve drain tube with fittings which will not reduce the internal bore of the pipe or tubing (straight lengths as opposed to coils) and shall extend from the valve to the outside of the building with the end of the pipe not more than two feet nor less than six inches above the ground or flood level of the area receiving the discharge and pointing downward. Such drains may terminate at other approved locations. No part of such drain pipe shall be trapped or subject to freezing. The terminal end of the drain pipe shall not be threaded.

Exception: Replacement water heating equipment shall only be required to provide a drain pointing downward from the relief valve to extend between two feet and six inches from the floor. No additional floor drain need be provided.

In one- and two-family dwellings, the following locations shall be approved for the termination of a relief valve:

1. To a water heater drip pan of approved design, provided the pan is drained with pipe and fittings of the same size and material as required for the relief valve drain.
2. To an approved, properly installed clotheswasher standpipe receptor, laundry tray, floor drain, floor sink, hub drain, area drain or catch basin.
3. On grade concrete garage floors.
4. Other locations meeting the requirements of this section or as approved by the Authority Having Jurisdiction.

Log #03-012:

603.4.11 Potable Water Make Up Connections to Steam or Hot Water Boilers shall be provided with a listed backflow protection assembly protected by an air gap or a reduced pressure principle backflow preventer.

Log #03-013:

609.10.2 Mechanical Devices. When listed mechanical devices are used, the manufacturer's specifications as to location and method of installation shall be followed. ~~Such mechanical devices shall be accessible.~~